

REPLACEMENT SHEET
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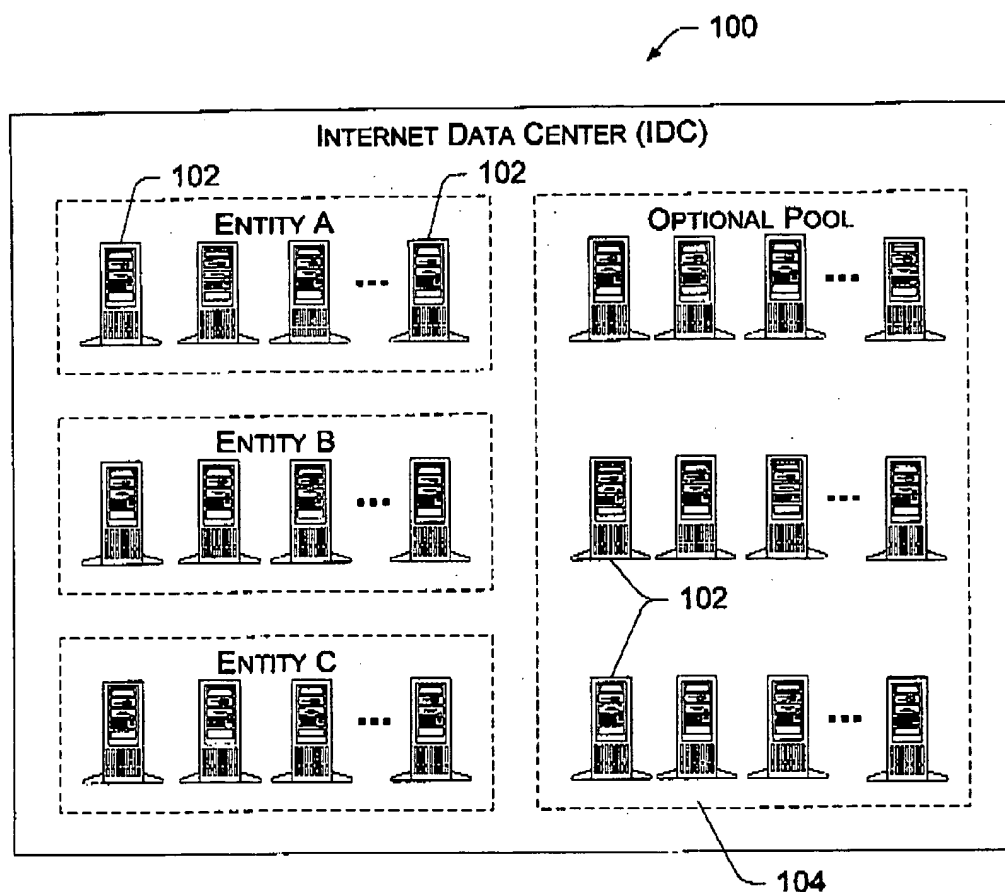


Fig. 1
Prior Art



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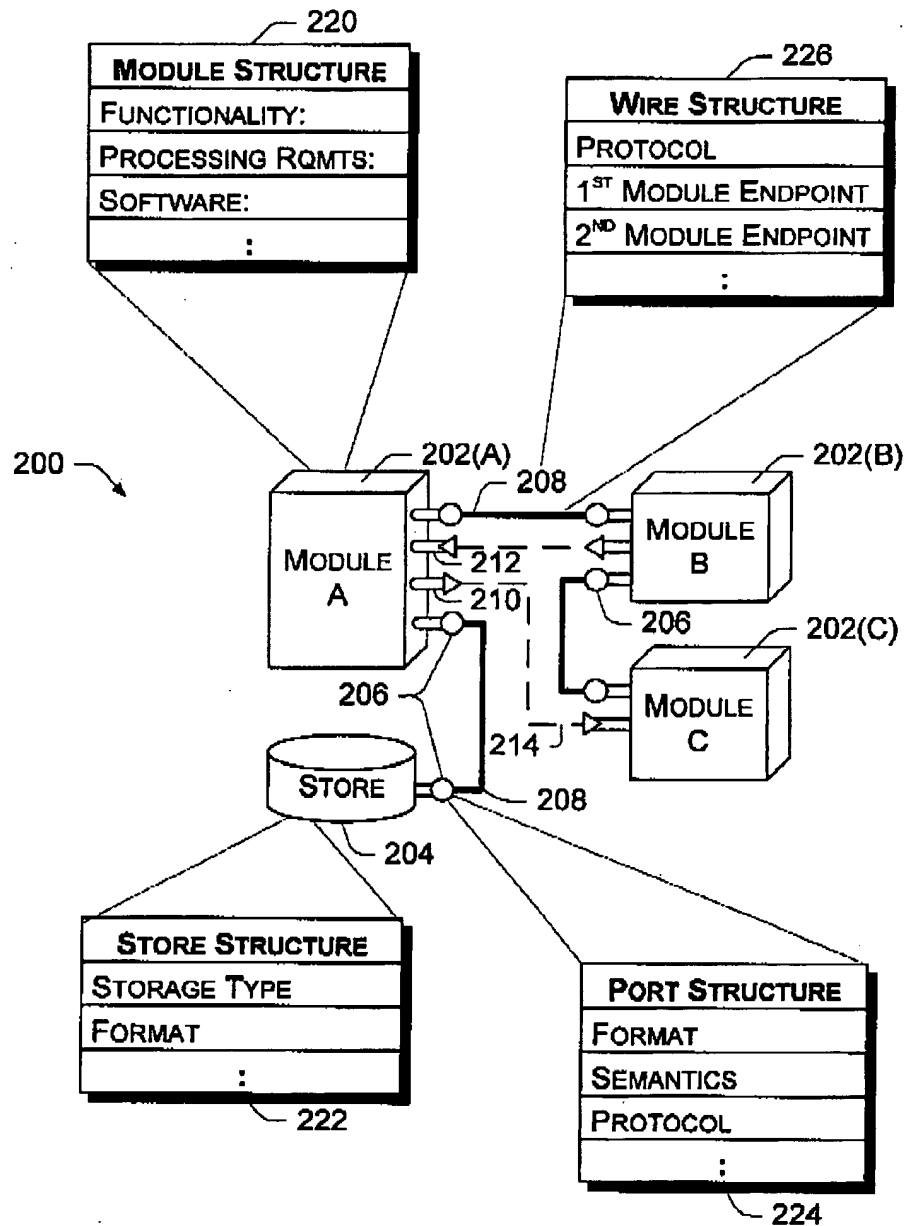


Fig. 2



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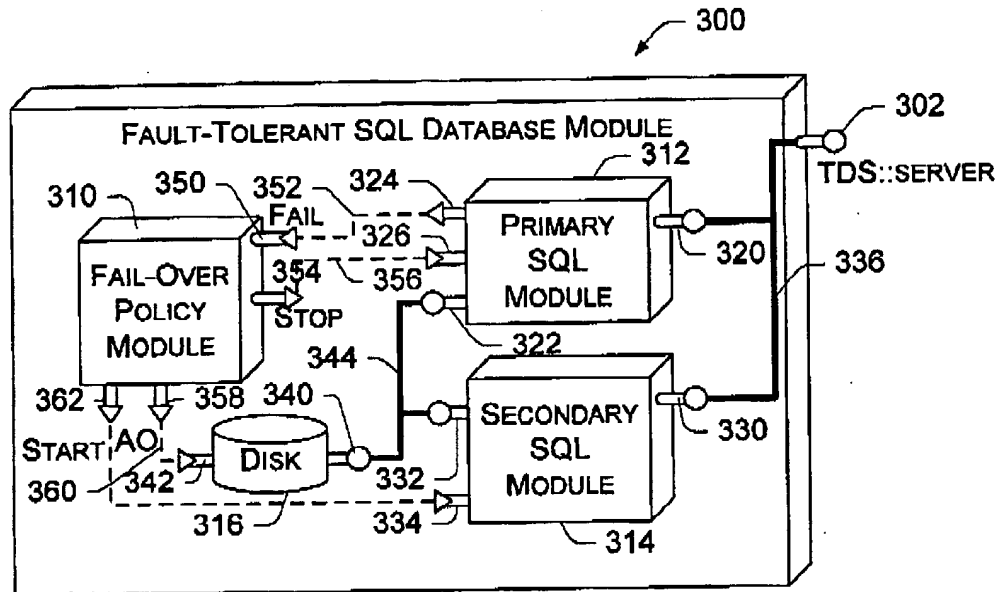


Fig. 3

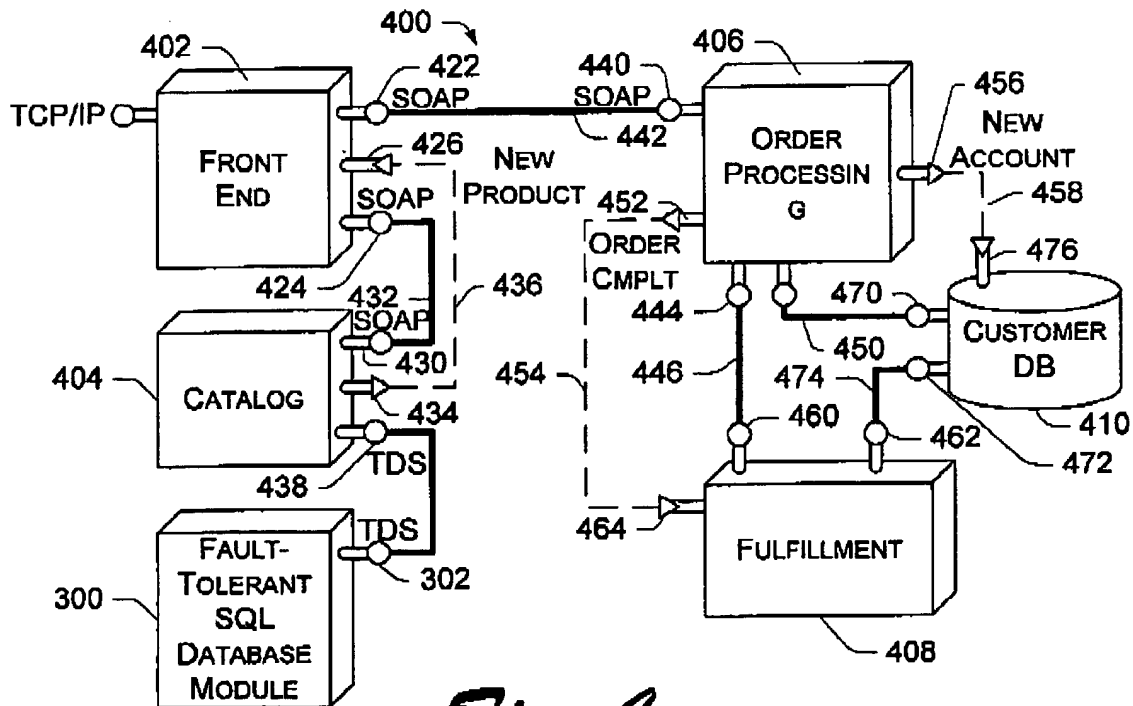


Fig. 4



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500 →

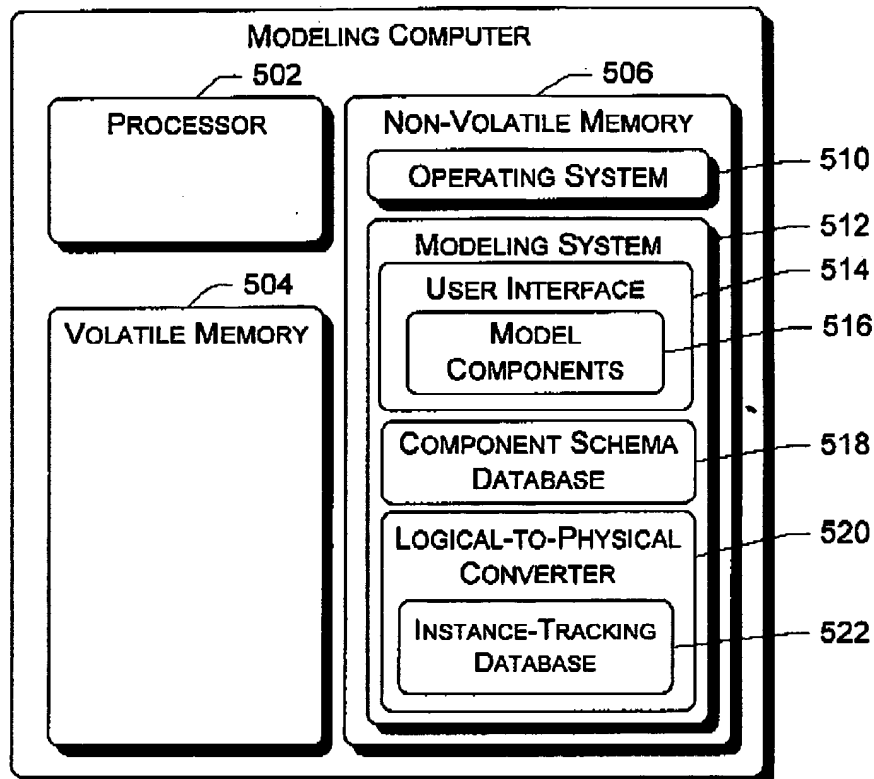


Fig. 5

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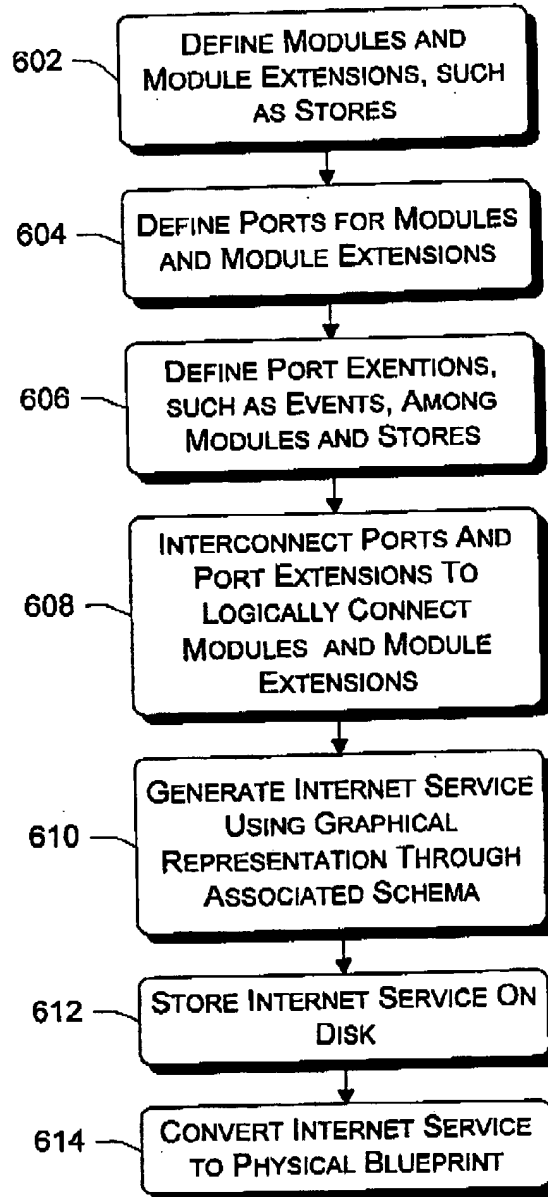


Fig. 6

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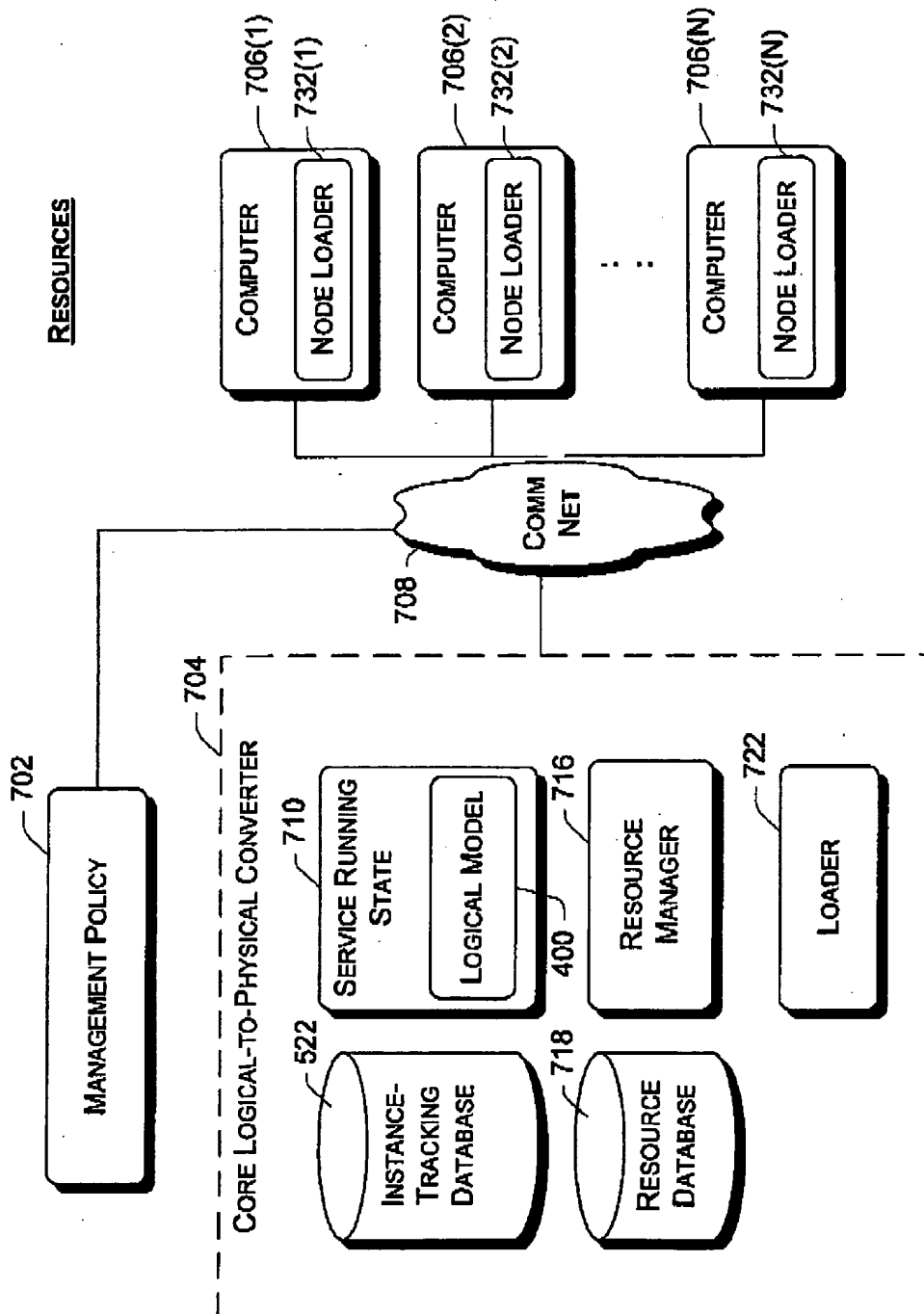
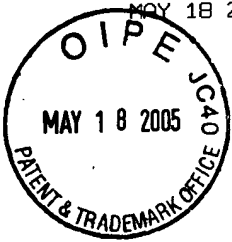
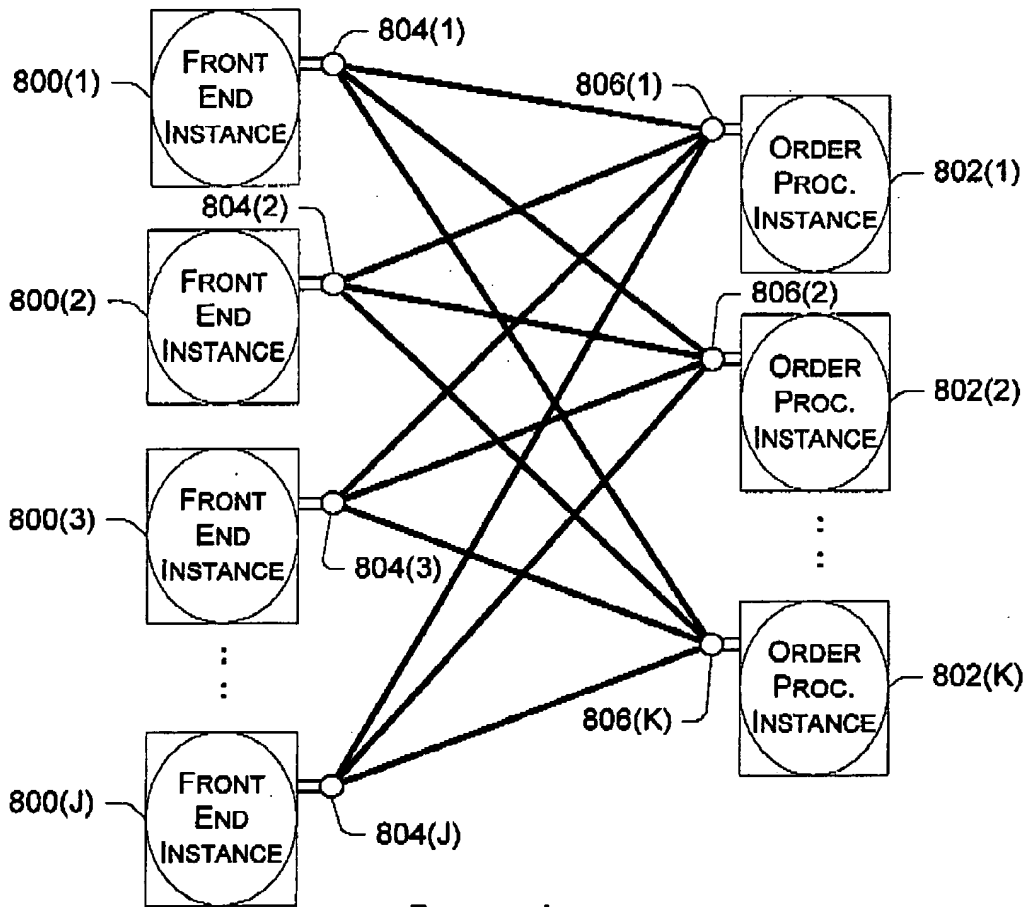
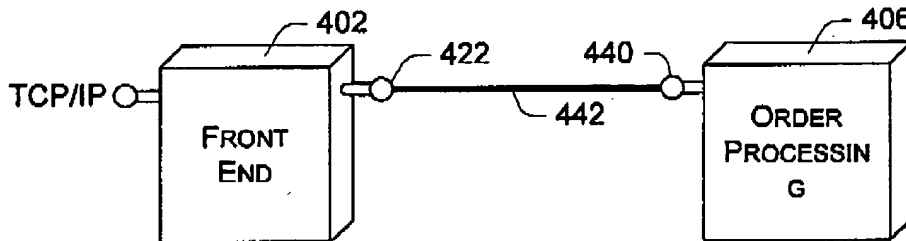


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LOGICAL MODEL



PHYSICAL INSTANCES

Fig. 8



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MODULE TABLE

| INSTANCE ID | MODEL COMPONENT | NODE ID | S/W TYPE | S/W ID | ID OF PORT(S) | PROTOCOL |
|-------------|-----------------|---------|--------------|--------|---------------|-----------|
| A | FRONT END | 123 | FE, VER. 3.1 | K123 | A1, A2, A3 | HTTP, TCP |
| B | FRONT END | 332 | FE, VER. 3.1 | K124 | B1, B2, B3 | HTTP, TCP |
| : | : | : | : | : | : | : |
| ZA | ORDER PROC. | 14 | OP, VER. 1.4 | 3B58 | ZA1, ZA2 | HTTP |
| ZB | ORDER PROC. | 854 | OP, VER. 1.4 | 3B59 | ZB1, ZB2 | HTTP |

PORT TABLE

| PORT ID | MODEL COMPONENT | NODE ID | NETWORK ADDRESS | INSTANCE ID | PROTOCOL | WIRE ID |
|---------|-----------------|---------|-----------------|-------------|----------|---------|
| A1 | FE PORT | 123 | PORT 80 | A | HTTP | W115 |
| : | : | : | : | : | : | : |

WIRE TABLE

| WIRE ID | MODEL COMPONENT | NODE ID | PORT ID | INSTANCE ID | PROTOCOL |
|---------|-----------------|---------|---------|-------------|----------|
| W115 | FE-TO-OP WIRE | 123 | A2 | A | SOAP |
| : | : | 14 | ZA1 | ZA | : |
| : | : | : | : | : | : |

Fig. 9



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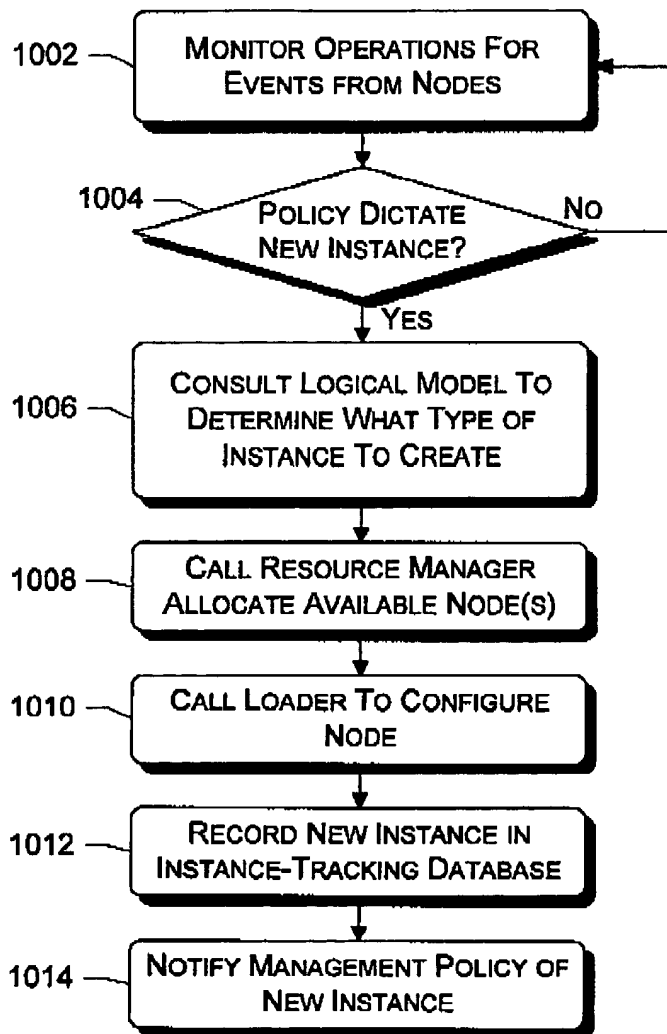
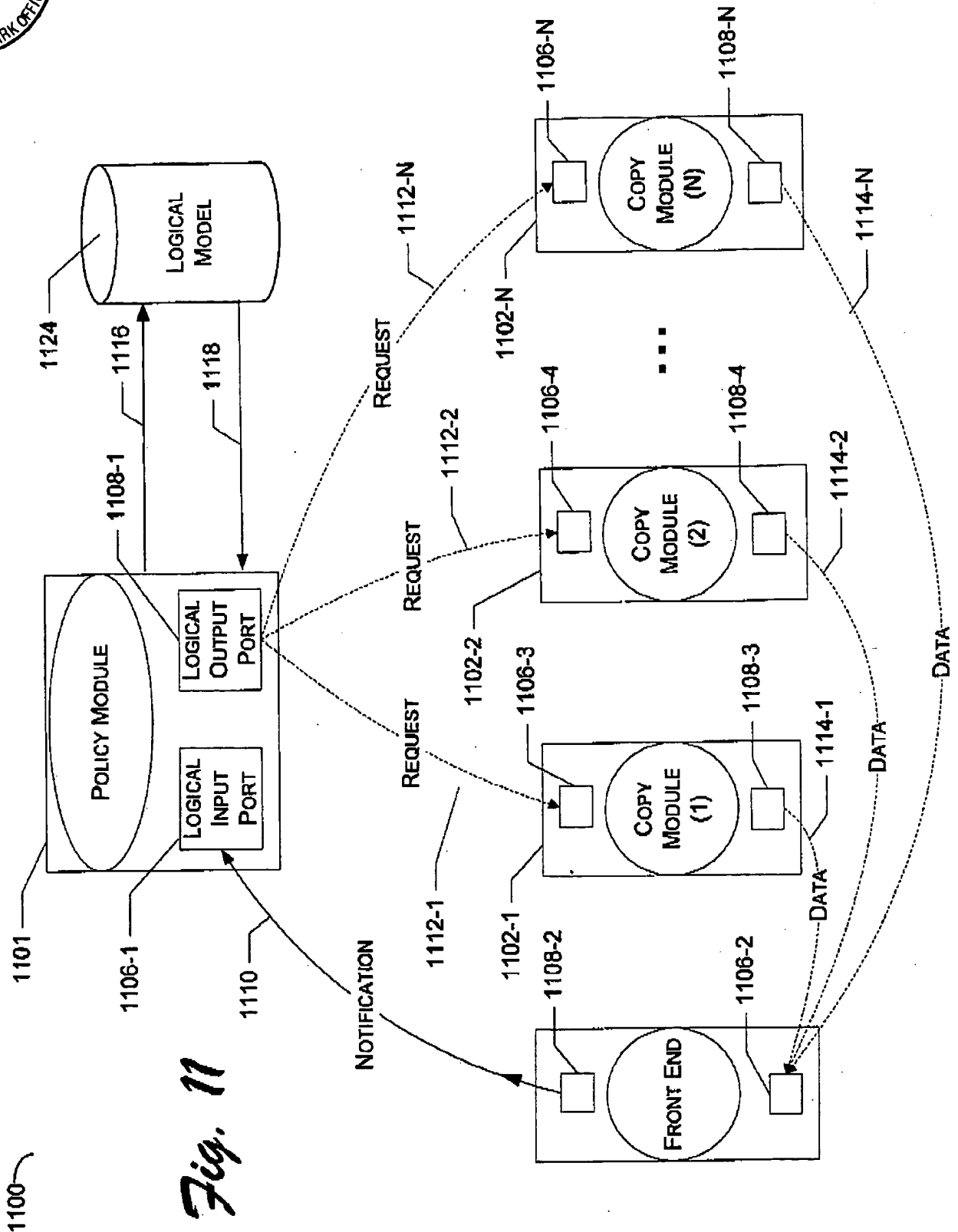


Fig. 10



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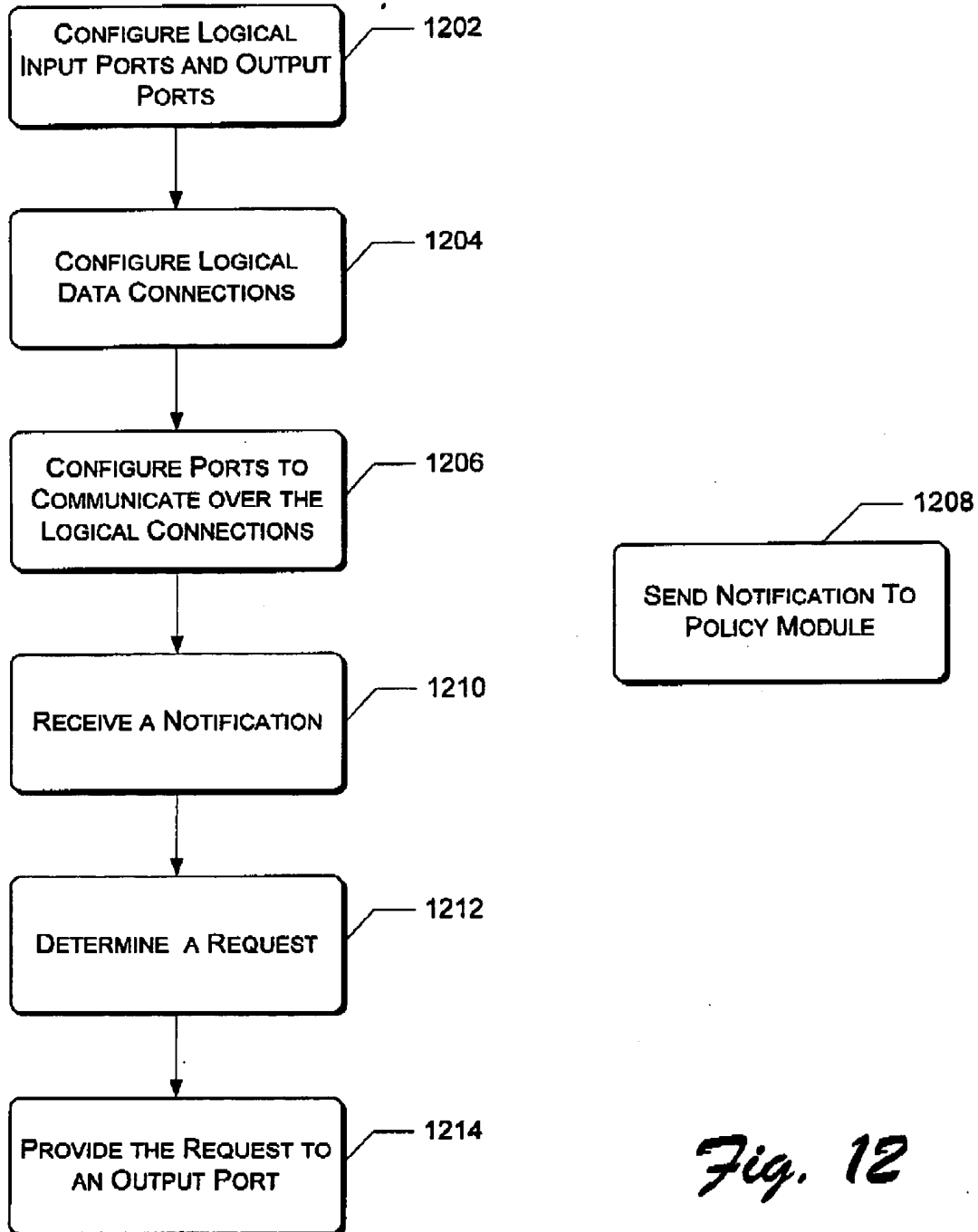


Fig. 12